

A Study of the Electron Paramagnetic Resonance Spectra of the Negative Ions of Certain Aromatic and Heterocyclic Compounds, by V. V. Voevodskiy, S. P. Solodownikov, V. M. Chibrikov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 5, 1959, pp 1082-1084.

CB

Sci

Oct 60

130,041

An Infrared Absorption Study of the Complexes  
of Acetylene and Its Derivatives, by E. A.  
Gastilovich, D. N. Shigorin, E. P. Gracheva,  
M. F. Shostakovskiy, 4 pp.

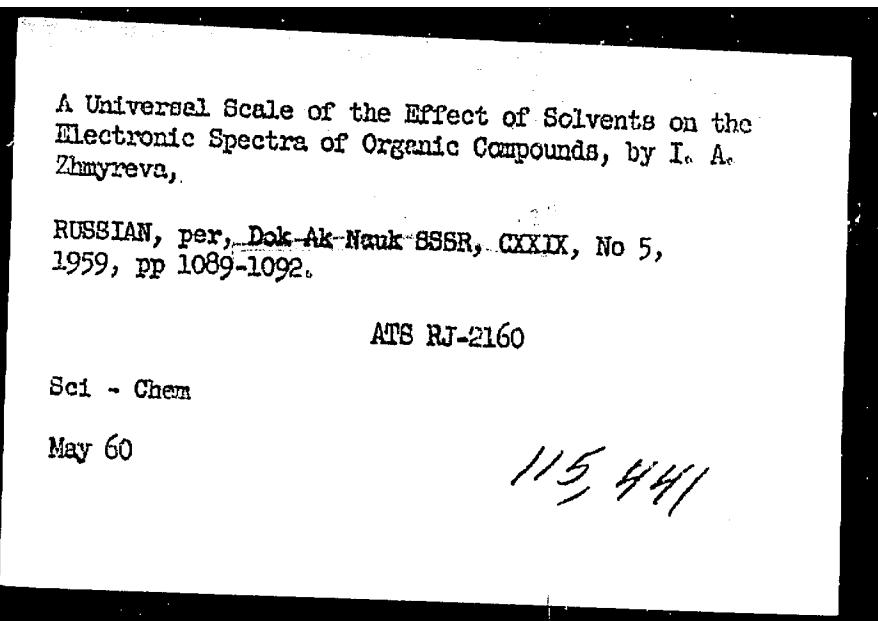
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 5,  
1959, pp 1085-1088.

CB

Sci

Oct 60

130,042



The Solubility of Grafted Copolymers Derived from Polystyrene and Acrylic Acid, by M. M. Iourkova, P. V. Kozlov, V. A. Kargin, 4 pp.

RUSSTAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 5, 1959, pp 1093-1095.

GB

Sci

Oct 60

130,043

A Steady-State Theory for the Mechanical Equilibrium  
in the Condensed Phases of Powders and Explosives,  
by B. I. Flyudkin, 6 6 pp.

RUSSIAN, per Dok Ak Nauk SSSR, Vol 60(1), No 5,  
1959, pp 1096-1099.

GB  
\* ADIC MIL-706/1

Sci

Oct 60

130,037

The Effects of Nonpolar Solvents on the Physico-Chemical Process in Solutions, by E. S. Radilov,  
4 pp.

RUSSIAN, per, Dok Akad Nauk SSSR, Vol CXLIX, No 5,  
1959, pp 1100-.

GB

Sci

Oct 60

130,038

The Reaction of  $3\text{CaO} \cdot \text{Al}_2\text{O}_3$  and  $4\text{CaO} \cdot \text{Al}_2\text{O}_3 \cdot \text{Fe}_2\text{O}_3$   
with Calcium and Magnesium Carbonates, by P. P.  
Budnikov, V. M. Kolbasov, A. S. Panteleyev, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 5, 1959  
pp 1104-.

Sci  
Oct 60

CB  
NLL 11.2615

1301665

New Data on the Origin of the Brecciated Coal in the  
Volchanka Brown Coal Deposit in the North Urals, by  
M. M. Bezhayev, V. A. Knyazev, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 5,  
1959, pp 1107-1109.

AGI

Sci

Jun 61

New Data on the Stratigraphy of the  
Carboniferous Deposits of Southwest Darvaz,  
by N. G. Vlasov, A. D. Miklukho-Maclay, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX,  
No 5, 1959, pp 1110-1113.

AEI

Sci

154,676

Jun 61

Intraformational Breaks in the Inta Coal-Bearing Sequence, by G. A. Dmitriyev, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 5,  
1959, pp 1114-1116.

AGI

Sci

Jun 61

A Reconsideration of the Absolute Geochronologic Scale, by M. M. Rubinshteyn, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 5,  
1959, pp 1117-1119.

AGI

Sci

Jun 61

Marine Albian Deposits in the Basins of the Rivers  
Uil, Bolshaya Khabda, and Ilek (West Kazakhstan),  
by N. P. Saltykova, A. Ye. Shlezinger, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 5,  
1959, pp 1120-1122.

AGI

Sci

Jun 61

Metallogeny of the Synclinal and Synorogenic  
Intrusions of the Greater Caucasus, by V. I. Smirnov,  
2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol ~~XIX~~ CXXIX, No 5,  
1959, pp 1123-1125.

AGI

Sci

Jun 61

New Data on the Tectonic Structure of the  
Bottom of the South Caspian Sea, by V. F.  
Solovyev, L. S. Kulakova, G. V. Agapova,  
4 pp.

RUSSIAN, per, Dok. Ak. Nauk SSSR, Vol CXXIX,  
No 5, 1959, pp 1126-1129.

ATS-73 NYCR

AGI

ATS/RJ-2786

154,677

Sci

Jun 61

Carboniferous Deposits of Southwest Darvaz,  
by N. G. Vlasov, A. D. Miklukho-Maclay, 3 pp.

Principal Types of Regions in the Rudnyi Altai,  
by G. F. Yakovlev, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX,  
No 5, 1959, pp 1130-1133.

ACT

The Geothermal Conditions of the West-Siberian  
Artesian Basin, by B. F. Mavritsky, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIV,  
No 5, 1959, pp 1134-1137.

AGI

Sci

Jun 61

The Distribution of Radioelements in the Sediments  
of the Black Sea, by I. Ye. Starik, Yu. V. Kuznetsov,  
D. S. Nikolayev, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 5,  
1960, pp 1142-1145.  
1959

AGI

Sci

Jun 61      Dept of Interior  
                BCF/OFF  
                A-34-Dec 1969 - RD 94

On a New Genus of Ordovician Corals from  
Western Siberia and Northern Kazakhstan,  
by B. S. Sokolov, N. V. Mironova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX,  
No 5, 1959, pp 1150-1153.

AGI

Set

154,700

Jun 61

Cortical Changes in Hypothyroid Rabbits, by G. V.  
Elyakova, 4 pp.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 5, 1959,  
pp 1154-1157.

Amer Inst of Biol Sci

Sci -  
Jul 60

121,054

Three Species of Archaeocyathids from the  
Sibiretsiatov Zone of the Lower Cambrian  
of the Baikalian Highlands, by A. G.  
Vologdin, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX,  
No 5, 1959, pp 1147-1149.

AGI

Sci

154,699

Jun 61

Esterase and Lipase Concentration Changes During  
Regeneration of Cutaneous Connective Tissue, by G. S.  
Shishkin, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 5, 1959,  
pp 1153-.

Amer Inst of Biol Sci

Sci  
Jul 60

121,047

Effect of Temperature on the Sexual Ripening of the  
Baunt Whitefish *Coregonus lavaretus* Baunti (Muchomedij-  
jarov), by V. I. Anpilova, 3 pp.

RUSSIAN, per Dok Ak Nauk SSSR, Vol CXXIX, No 5, 1959.  
pp 1162-

Amer Inst of Biol Sci

Sci  
Jul. 60

121,060

"Luminosity" Effect in Mycelium Filaments of Actinomycetes  
in Incident Light, by N. A. Krasil'nikov, L. V. Kalakutskiy  
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 5, 1959,  
pp 1165-.

Amer Inst of Biol Sci

Sci -  
Jul 60

121,043

Nature of Primary Cytogenetic Radiation Injuries and  
the Catalytic Activity of Chromosomes, by N. V.  
Luchnik, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 5,  
1959, pp 1168.

Amer Inst of Phys  
Sov Phys-Doklady  
Vol IV, No 6

Sci

Jul 60

120, 710

Synthesis of Oligosaccharides With  $\alpha$ -1,6-  
Linkages by Liver and Muscle Enzyme Preparations,  
by I. S. Lukomskaya, 6 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX,  
No 5, 1959, p 1172..

Amer Inst of Biol Sci 118, 955

Sci

Jun 60

Types of Deformation in the Fossil Spores of Ferns  
Having a Radial Structure, by A. N. Sladkov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX,  
No 5, 1959, pp 1176-.

Amer Inst of Biol Sci

Sci

Jul 60

120,735

The Transpiration of Spring Ephemerals & of the  
Oak Forest, by T. K. Goryshina, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX,  
No 5, 1959, pp 1180-1182.

Amer Inst of Biol Sci

Sci

Jul 60

120, 739

The Competition of the Roots of Trees and the  
Concentration of Nutrient Substances in the  
Leaves of Plants of the Grass and Shrub Layers  
of the Taiga Forest, by V. G. Karpov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 5,  
1959, pp 1183-.

Amer Inst of Biol Sci

Sci

Jul 60

120,740

Variation in Injected Dextran Concentration  
in Alloxan Diabetes, by V. E. Gurich, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 5,  
1959, pp 1187-1189.

Amer Inst of Biol Sci

Sci -  
Jul 60

121,041

S-Reactive Protein in Gamma-Irradiated Monkey Blood, by R. V. Petrov, A. S. Petrova, V. V. Shikhodyrov, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 5, 1959, pp 1190-.

Amer Inst of Biol Sci

Sci

Jul 60

On the Variational Theory of Nonlinear Operators and Equation, by M. M. Vaynberg, R. I. Kachurovskiy, 9 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX,  
No 6, 1959, pp 1199-1202.

SLA 61-10267

Vol V, No 5  
Jul 61

160,154

(NY-3682)

Stationary Detonation, by B. V. Voytsekhovskiy, 6 pp.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 6,  
1959, pp 1254-1256.

JPRS 2885

Sci - Engineering

Jul 60

120,066

The Bounded Variation of Continuous Solutions of  
the Hydrodynamic Equations, by A. M. Molchanov,  
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 6,  
1959, pp 1257-1260

Amer Inst of Phys  
Sov Phys-Doklady  
Vol IV, No 6  
JPRS 5433

Sci

Jul 60

120, 657

Observation of the Radio Source Sagittarius-A  
at High Resolving Power, by Yu. N. Pariiskiy,  
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 6,  
1959, pp 1261-.

Amer Inst of Phys  
Sov Phys-Doklady  
Vol IV, No 6

120, 648

Sci

Jul 60

PARIYSKIY, Yu. N.

"A HIGH RESOLUTION OBSERVATION OF RADIO SOURCE  
SAGIRRARIUS-A"

Moscow, Doklady Akademii Nauk SSSR, Vol 129, NO 6,  
1959, pp 1261-1263  
(Complete translation)

Will appear in IGC #104, 5 Feb 1960

26 Jan 60/1d

Selected Problems in the Theory of Radiation  
Diffusion, by V. V. Sobolev, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 6,  
1959, pp 1265-.

Amer Inst of Phys  
Sov Phys-Doklady  
Vol IV, No 6

Sci

120, 664

Jul 60

A Comparative Investigation of the Fine Structure of  
X-Ray Emission Bands for the K $\beta$ -Group of Titanium  
in the Metal and in Its Compounds with Some Light  
Elements, by E. A. Zhurakovskiy, E. E. Vainstein, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 6,  
1959, pp 1269-1272.

Amer Inst of Phys  
Sov Phys-Doklady  
Vol IV, No 6

Sci

120, 682

Jul 60

Broadening of a High-Intensity Spark Channel in a  
Liquid, by V. S. Komel'kov, Yu. V. Skvortsov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 6,  
1959, pp 1273-1276.

Amer Inst of Phys  
Sov Phys-Doklady  
Vol IV, No 6

Sci

Jul 60

120, 684

The Question of  $(p, \eta^{\pm})$  Reactions, by A. K. Lavrulchina,  
2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 6,  
1959, pp 1277-1278.

Amer Inst of Phys  
Sov Phys-Doklady  
Vol IV, No 6

Sci

Jul 60

1020, 6 85

A New Procedure for Calculating X-Ray K-Absorption Spectra, by E. G. Nadzhakov, R. L. Varinskiy, 5 pp.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 6,  
1959, pp 1279-

Amer Inst of Phys  
Sov Phys-Doklady  
Vol IV, No 6

120, 687

Sci

Differences in the Periods of Seismic Waves  
Stimulated During Underground Explosions and  
Earthquakes, by S. D. Kogan, I. P. Pasechnik,  
D. D. Sultanov, 8 p.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 6,  
1959, pp 1283-1286.

SLA 62-32910  
IGC 110

SI-0-13-770  
116,644  
AGI

Sci - Geophys

May 60

Relationship Between Bouguer Anomalies and the  
Thickness of the Earth's Crust in the Atlantic  
Ocean Area, by Ye. D. Koryakin, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 6,  
1959, pp 1287-1289.

IGC 111

A&J

Sci - Geophys  
May 60

116,648

New Methods for Determining the Emissivity and  
Reflectivity Coefficients and the Actual Temperature  
of a Self-Radiating Surface, by D. Ya. Svet, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 6,  
1959, pp 1290-.

Amer Inst of Phys  
Sov Phys-Doklady  
Vol IV, No 6

120, 701

Sci

Jul 60

Kinetics of Butene Dehydrogenation, by O. K.  
Bogdanova, A. P. Shcheglova, A. A. Balandin,  
6 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 6,  
1959, pp 1293-1298.

6

CB

Sci  
Oct 60

129,977

Hydrogenolysis of Pyrazolines, by A. N. Kost,  
G. A. Golubeva, A. P. S. Terent'yev, 4 pp.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 5,  
1959, pp 1300-1302.

CB

Sci  
Oct 60

129,978

S-512/60

(Dec 1960)

Synthesis of Conjugated Dinitrodiene, by V. V.  
Perekalin, G. M. Lerner, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, No. 6,  
1959, pp 1303-1305.

JPRS 3660

Sci .. Chem

122,809

Aug 60

Quantitative Determination of Aromatic Aldehydes  
in Lignites, by L. A. Kodina, 4 pp.

RUSSEAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 6  
1959, pp 1297-1299.

CB

Sci  
Oct 60

129,979

Polymerization and Copolymerization of Dienes and  
Olefins on a Chromic Oxide Catalyst, by N. T.  
Tinyakova, B. A. Dolgoplosk, R. N. Kovalevskaya  
T. G. Zhuravleva, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 6,  
1959, pp 1306-1308.

CB

Sci  
Oct 60

129,980

Synthesis of Polyvinyl Esters of Pelentanic Acid,  
by S. N. Ushakov, T. A. Kononova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 6,  
1959, pp 1309-1312.

CB

Sci  
Oct 60

130,313

Some Polyalkylbenzenes and Polyalkylcyclopentyl-  
benzenes, by N. A. Shimanko, E. S. Polarovskaya,  
6 pp.

K  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 6  
1959, pp 1313-.

CB

130,315

Sci  
Oct 60

A Study of Electrode Processes on an Iodine Amalgam  
using Radioactive Tracers, by G. M. Belov,  
N. V. Losev, 6 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 6,  
1959, pp 1321-1324.

CB

Sci

Oct 60

130,033

Electron Diffraction Study of the Structure of  
the Boron Sulfide Molecule, by P. A. Akishin,  
Spiridonov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 5,  
1959, pp 1317-1320.

CB

Sci

Oct 60

130,039

The Dielectric Permeability and Dipole Moment of Certain Organosilicon Compounds, by A. A. Gundyr'ev, N. S. Nemetskina, G. M. Panchenkov, A. V. Topchiev, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 6, 1959, pp 1325-1327.

CB

Sci

130,035

Oct 60

The Role of Diffusion in Electrokinetic Phenomena.  
The Diffusion Theory of the Dorn Effect (The  
potential of Moving Particles), by B. V. Deryagin,  
S. S. Dukhin, 6 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 6,  
1959, pp 1328-1331.

GB

Sci

Oct 60

130, 034

The Viscosity of Certain Binary Hydrocarbon Mixtures  
and Gas Condensates in the Supercritical Range,  
by S. L. ZAKS, V. I. Sergeyevich, 4 DP.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 6,  
1959, pp 1332-1334.

CB

Sci

Oct 60

130,036

A Study of the Oxidation Mechanism of Some  
Inorganic Substances by Persulfate, by V. A.  
Zamenok-Burmakina, A. I. Ershikov, N. D.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol. CXIX, no 6,  
1959, pp 1335-1338.

CB

Sci.

130,029

Oct 60

The Single Electrochemical Bond in Solid Electrolyte, by S. F. Pal'guyev, S. V. Karpachev, L. D. Vushina, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 6,  
1959, pp 1339-1342.

CB

Sci

Oct 60

130,030

The Characteristic Features of Crystallization  
Structure Formation During the Hydriding Process  
of Calcium Oxide, by E. E. Segal'ev, S. I. Novoz.  
P. A. Rebinder, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 6,  
1959, pp 1343-1346.

CB

Sci.

130,031

Oct 60

Double Bonds in Polyethylene Irradiated With  
Fast Electrons, by N. A. Slovokhotova, A. T.  
Koritskiy, N. Ya. Buben, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, No 6,  
1959, pp 1347, 1348.

CB

Sci  
Oct 60

The Reaction Capacity of the Anions of Certain  
Carboxylic Acids in the Acid-Catalyzed Polymerization  
of Acetone, by A. I. Tel'vik, V. A. Pal'm, 6 pp.

RUSSIAN, per, Dok. Ak. Nauk SSSR, Vol CXXIX, No 6,  
1959, pp 1349-1352.

CB

Sci

Oct 60

130,032

The Electromagnetic Properties and Structural  
Diagram of the FeO-SiO<sub>2</sub>-ZnO System, by  
B. M. Charkov, V. P. Schastlivyi, L. I. Melkhina.  
6 pp.

RUSSIAN, per, Dokl Akad Nauk SSSR, Vol CXXIX, No 6,  
1959, pp 1353~.

CB

Sci

131-520

Oct 60

Mechanism of the Effect of Inorganic Electrolytes  
in the Flotation of Intrinsically Hydrophobic  
Minerals, by V. I. Klassen, K. P. Kovachev, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 6,  
1959, 1356-1358.

CB

Sci

Oct 60

130,666

Sorptive Leaching in Hydrometallurgical Processes,  
by I. N. Flaksin, A. I. Sinel'nikova, A. Yu. Beilin,  
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 6,  
1959, 1359-1361.

CB

Sci

Oct 60

1301667

New Data on the Kungur Deposits of the Khabda  
Gravity Maximum Zone in the Near-Caspian  
Syncline, by N. V. S. Zhuravlov, B. Z. Lifanov,  
A. Ye. Shlenzinger, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX,  
No 6, 1959, pp 1360-1369.

AGI

Sci

154,679

Jun 61

The Stratigraphy of Ancient Sedimentary  
Deposits of the Basin of the Middle Reaches  
of the Chara, by Z. A. Zhuravleva, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX,  
No 6, 1959, pp 1370-1373.

AGI

Sci

Jun 61

154,686

Ancient Precambrian Rocks of the Ukraine  
in the Dnieper Bend, by L. V. Komlev,  
V. G. Savonenkov, N. F. Kryukova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX,  
No 6, 1959, pp 1374-1377.

AGI

Sci

Jun 61

154, 681

Experience Gained in the Investigation of the  
Relative Orientation of Disconnected Blocks  
of Rocks Enclosed in Intrusives, by G. G.  
Kravchanko, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX,  
No 6, 1959, pp 1378-1381.

AGI

Sci

154,682

Jun 61

Small Intrusions of the Leninogorsk  
Region of Rudnyi Altai, by M. A. Osipov.

3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX,  
No 6, 1959, pp 1382-1385.

AGI

Sci

154683

Jun 61

New Data on Ussingite, by V. V. Ilyukhin,  
Ye. I. Semenov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX,  
No 6, 1959, pp 1386-1388.

AGI

Sci

Jun 61

154,694

Epi - and Pseudoleucites of the Alkaline  
Effusions of Pamir, by A. I. Proskurko,  
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX,  
No 6, 1959, pp 1389-1392.

AGI

Sci

Jun 61

154,695

Micaceous Silts of Wiener-Neustadt Island and  
Micaceous Sandstones of Champ Island (Archipelago  
of Franz-Josef Land), by L. P. Pirozhnikov, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 6,  
1959, pp 1393-1396.

AGI

Sci

Jun 61

The Preoptic-Hypophysial Gomori-Positive Neurosecretory  
System of the Sazan and Carp, by A. L. Polenov, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 6, 1959,  
pp 1413-.

Amer Inst of Biol Sci.

Sci  
Jul 60

121,048

The Relation Between Fecundity and Fatness in  
the Baltic Herring (*Clupea harengus membras* L.),  
by L. E. Anokhina, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 6,  
1959, pp 1417-.

Amer Inst of Biol Sci

Sci -  
Jul 60

121,061

Infectious Properties of Damaged Phage, by L. A. Bass,  
T. N. Broker, D. M. Gol'dfarb, Zh. M. Gorlenko, B. N.  
Il'yashenko, V. P. Monkina, R. B. Khesin, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 6, 1959,  
pp 1421-1423.

Amer Inst of Biol Sci

Sci  
Jul 60

121,044

Green Bacteria Utilizing Organic Compounds, by V.  
M. Shaposhnikov, E. N. Kondrat'eva, E. N. Krasil'-  
nikova, A. A. Ramenskaya, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 6,  
1959, pp 1424-.

Amer Inst of Biol Sci

Sci -  
Jul 60

121, 045

Effect of Local Asphyxia of Bone Marrow on the Course  
and Outcome of Radiation Sickness, by P. G. Zhrebchenko,  
I. G. Krasynki, N. P. Lebkova, S. P. Yarmonenko, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 6, 1959,  
pp 1427-

Amer Inst of Biol Sci

Sci  
Jul 60

121,063

The Effect of Short-Wave Radiation in the Reaction of  
the Change of Protochlorophyll into Chlorophyll-a,  
by T. N. Godnev, R. V. Efremova, N. P. Ivanov, L. A.  
Krantsov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 6,  
1959, pp 1430-.

Amer Inst of Biol Sci

Sci

Jul 60

120,741

Structural Features of the Development of Parasitic  
Growth on the Vegetative Organs of Salicaceae, by  
Y. I. Slepyan, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 6,  
1959, pp 1434-.

Amer Inst of Biol Sci

Sci

Jul 60

120,733

Secretion of a Cardiac Stimulator From the Frog Ventricle Induced by Acetylcholine, by T. G. Putintseva, T. M. Turpayev, 3 pp.

RUSSIAN, per. Dok Ak Nauk SSSR, Vol CXXIX, No 6, 1959. pp 1442-1444.

Amer Inst of Biol Sci

Sci -  
Jul 60

121,042

The Mutual Influence of Finely Divided Tissue and Muscle Remnants During Regeneration, by R. V. Samsonenko, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 6,  
1959, pp 1438-.

Amer Inst of Biol Sci

Sci -  
Jul 60

121,058

Control of the Diapause of the Colorado Beetle  
(Leptinotarsa Decemlineata Say.), by R. S. Ushatinskaya,  
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 6, 1959,  
pp 1445-.

Amer Inst of Biol Sci

Sci -  
Jul 60

121, 035

An Approximation for the Reynolds equations, by  
Ya. M. Kotlyar, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, VolXXX, No 1,  
1960, pp 41-.

AIP  
Sov Phys-Doklady  
Vol V, No 1

Sci

Sep 60

125, 831

(NY-3621).

Synchrotronic Radiation in Cometary Nebulae, by  
G. A. Gurzadyan, 16 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXX, No 1,  
1960, pp 47-50.

JPRS 2503

Sci - Geophys  
May 60

AIP  
Sci Phys Dok  
684  
9/2 V, No 1

(WJ36.21 ).

Ultraviolet Radiation and Excitation of Oxygen Lines  
in the Chromosphere, by G. M. Nikol'skiy,

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXX, No 1,  
1960, pp 51, 52.

\*JPRS

Sci - Geophysics

Feb 60

HIP  
Sov Phys. Dok  
vol V, no 1

(W)3621).

Gravitational Instability in Plane Rotating Systems  
Having Axial Symmetry, by V. S. Safronov,

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXX, No 1,  
1960, pp 53-56.

\*JPRS

Sci - Geophysics

AIP  
Sov-Phys-Dok  
vol V, No 1

Feb 60

Investigation of the Electrification of Crystallizing  
Water, by L. G. Kachurin, V. I. Bakryayev, 4 pp.

RUSSIAN, per, Dokl. Akad. Nauk SSSR, Vol. 144, No 1,  
1960, pp 57-60.

AIP  
Sov Phys Solid State  
Vol V, No 1

Sci

125, 810

Sep 60

Radiation Pyrometry of Metals in the Near-Infrared Region of the Spectrum, by D. Ya. Svet, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXX, No 1,  
1960, pp 61-63.

AIP  
Sov Phys-Doklady  
Vol V, No 1

Sci

Sep 60

125,809

Stress Relaxation and Creep as Processes of Viscous Flow, by N. S. Fastov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXX, No 1,  
1960, pp 64-.

AIP  
Sov Phys-Doklady  
Vol V, No 1

Sci

Sep 60

125, 811

Transient Effects in Continuously Acting Thick-Walled Heat Exchangers, by B. N. Devyatov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXX, No 1,  
1960, pp 68-.

AIP  
Sov Phys-Doklady  
Vol V, No 1

Sci

Sep 60

123, 820

Falling Absorbtive Strength of Steel in Molten Metal, by G.F. Kosogov, V.I. Lichtman.  
RUSSIAN, per, Doklady A.N. SSSR, Vol. 13<sup>4</sup>, No. 1,  
1960, pp 81-84  
GB 210

Sci -  
Aug 67                    335-660

<p>Neyland, O. Ya. and Vanag, G. Ya. SPLITTING OF IODONIUM DERIVATIVES OF DIMEDON. [1960] [4]p. (formulæ omitted). Order from LC or SLA m1\$1.80, ph1\$1.80 61-10193  Trans. of Akademiya Nauk SSSR Doklady, 1960, v. 130, no. 1, p. 90-93.</p> <p>151784</p> <p>(Chemistry--Organic; TT, v. 5, no. 9)</p>	<p>61-10193</p> <p>I. Iodine compounds (Organic)-- Chemical reactions I. Neyland, O. Ya. II. Vanag, G. Ya.</p> <p>Office of Technical Services</p>
--	--

Razuvayev, G. A., Vasileyskaya, N. S., and Olynyk, Ye. P.  
THE REACTION OF CARBON TETRACHLORIDE WITH METHANOL; FORMATION OF HEXACHLOROETHANE IN THE PHOTOREACTION. [1960] 3p.  
12 refs.  
Order from LC or SLA m\$1.80, ph\$1.80 61-10639  
Trans. of Akad[emiya] Nauk SSSR. Doklady, 1960,  
v. 130 [no. 1] p. 102-104.

Experiments to determine the mechanism for the photoreaction of  $\text{CCl}_4$  with  $\text{CH}_3\text{OH}$  on exposure to UV light showed that  $\text{C}_2\text{Cl}_6$  was produced only by dimerization of  $\text{CCl}_3$  radicals formed by photolysis of  $\text{CCl}_4$ .  $\text{CCl}_3$  radicals did not remove H from  $\text{CH}_3\text{OH}$  to form  $\text{CHCl}_2$ . An exchange of  $\text{Cl}^4$  atoms in the photoreaction between labeled  $\text{C}^{14}\text{HCl}_3$  and  $\text{CCl}_4$  or  $\text{CCl}_3$  radicals did not occur. The incapability of  $\text{CCl}_3$  radicals to remove H from  $\text{CH}_3\text{OH}$  or from  $\text{C}^{14}\text{HCl}_3$  and the absence of  $\text{Cl}^4$  exchange may be due to the lower energy of stabilization of these compounds.

61-10639

1. Carbon tetrachloride--  
Photochemical reactions
2. Methanol-Photochemical  
reactions
- I. Razuvayev, N. S.
- II. Vasileyskaya, N. S.
- III. Olynyk, Ye. P.

151596

Office of Technical Services  
(Chemistry--Physical,  
TT, v. 5, no. 10)

The Influence of Anions on the Anodic Dissolution  
of Indium Amalgams, by V. V. Losev, A. I. Moldov,  
6 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXX, No 1,  
1960, pp 111-114.

CB

150,036

Sci

Apr 61

The Adsorption of Vapors on Cystalline Adsorbents  
Called Molecular Sieves, by Ya. V. Mirskiy, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIV, No 1,  
1960, pp 115-116.

CB

Sci

Apr 61

The Theory of Chemical Adsorption, by V. I. Osherov,  
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXX, No 1,  
1960, pp 117-119.

CB

150,037

Sci

Apr 61

Deuterium-Hydrogen Exchange During the Hydrogenation of Solid Olefins by Atomic Hydrogen at -196°C., by A. N. Ponomarev, V. L. Tal'roze,  
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXX, No 1,  
1960, pp 120-121.

CB

150,038

Sci

Apr 61

The Origin of the Preadsorption Effect and Some  
Other Anomalies in the Catalytic Oxidation of  
Carbon Monoxide on Oxide Semiconductors, by A.  
S. Z. Roginskiy, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXX, No 1,  
1960, pp 122-125

CB

150,039

Sci

Apr 61

